

Shock, Water and Dust Resistant Enterprise PDA



- *Withstands a drop from 1m; IP54 rated for dust and water resistance*
- *Large 3.7-inch transfective VGA LCD (landscape or portrait mode)*
- *Standard large capacity battery for up to 27 hours of continuous use*
- *Compact Flash and SDIO slots for flexible expansion possibilities*
- *Auto-recovery tool to automatically back up and restore user data in case of accidental data corruption*
- *Microsoft® Windows Mobile™ 2003 Second Edition*
- *Standard large capacity battery without spoiling ease of handling and flat back*



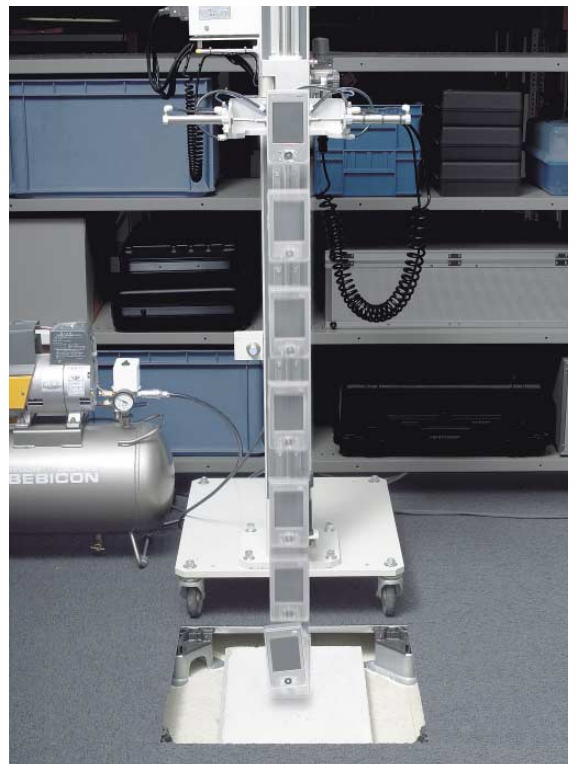
Enterprise PDA

The IT-10 is a new rugged PDA designed and built to be used for vertical applications in severe business environments. It is water-splash proof, dust proof and can withstand the inevitable rough handling that any vertical market device will suffer. The high specification means that it has the power and versatility to meet the future demands of a wide variety of industries for many years to come thus giving the maximum return on your investment. The intended uses of the IT-10 series in the enterprise include those for sales force automation, market research, retail shop management and facility maintenance as well as nursing aid.



Rugged durability for inclement weather and harsh handling

The IT-10 has been designed for maximum durability and it can withstand a drop from 1 meter onto concrete. It is also dust and water proof to level IP54 (International Standard IEC60529). The internal components are sealed inside extremely tough yet light magnesium inner shielding with the outer casing made of a durable plastic resin to give added protection. The LCD screen is set in a shock absorbent rubber mounting to resist the effects of hard impacts.



Standard large capacity battery provides more than a full day of use

The removable, rechargeable Lithium Ion battery pack has a capacity of 2,300 mAh which can provide up to 27 hours of continuous use (not including wireless LAN use).

Advanced battery power management functions mean that the IT-10 can easily deliver a full business day of use from a single charge. Large capacity battery pack yet a thin and flat shape does not compromise the gripping comfort.



Maximum 6 battery packs to be charged at the same time with 3 units of HA-C32DCHG connected.

Large and high resolution VGA LCD for superb display clarity

The IT-10 has a fine 3.7 inch transfective TFT color LCD which is capable of displaying VGA (640 x 480) giving 4 times the number of pixels as a conventional QVGA screen. This makes it ideal for displaying web based applications which contain detailed images. The screen displays conventional QVGA applications without modification so you can continue to use software originally developed for less technically advanced PDAs. In addition, landscape mode is now also available to allow developers to design applications for a wider display. The backlight uses LEDs to reduce power consumption and improve the resistance to harsh impacts. Finally, because the screen uses a transfective LCD it provides high visibility in both indoor and outdoor environments whatever the lighting conditions are.



▲ Portrait



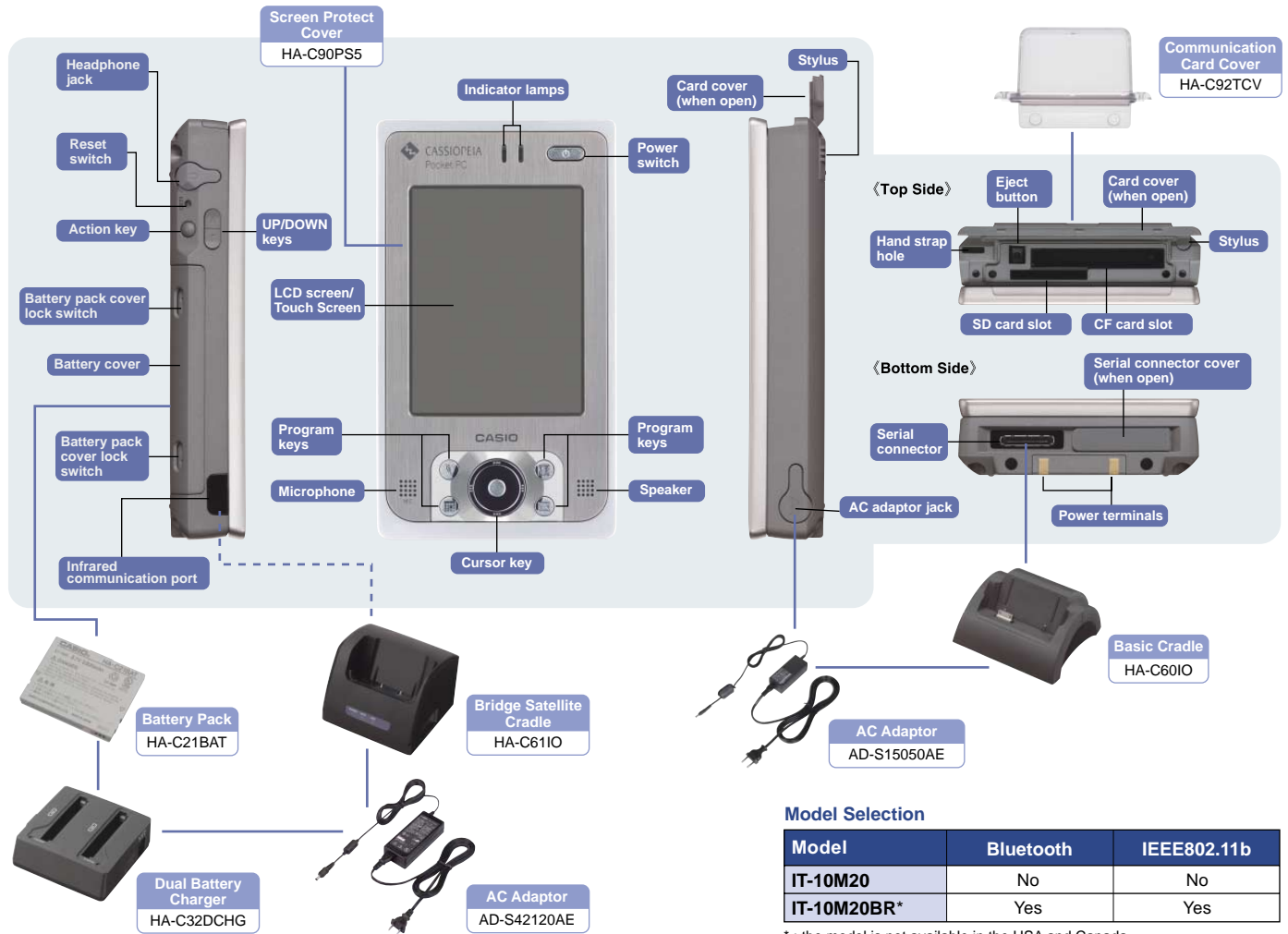
▲ Landscape

Expansion capabilities via CF Card and SDIO slots

The IT-10 has both a CompactFlash and SDIO slot concealed under a robust, removable cover. Furthermore, the area around the slots has been designed to include screw holes to allow extended covers to be securely attached. This means that wireless communication cards with antennas can be incorporated. The CF slot is capable of supplying up to 1A of current and built with anti-electrical noise measure which mean it can easily cope with specific demands of wireless communication cards. The SD slot supports "SDIO NOW!" so it cannot only be used for memory cards but also bar code scanner, camera and Wireless LAN cards if necessary. With integrated Bluetooth® and 802.11b available as standard (on the IT-10M20BR model) the IT-10 is truly one of the most versatile rugged PDAs on the market.



GENERAL GUIDE / OPTIONS



Model Selection

Model	Bluetooth	IEEE802.11b
IT-10M20	No	No
IT-10M20BR*	Yes	Yes

* ; the model is not available in the USA and Canada.

SPECIFICATIONS

CPU	Intel®PXA270 Application Processor (Max. 416 MHz)
OS	Microsoft®Windows Mobile™2003 Second Edition Software for Pocket PC
Memory	
RAM	64 MB
F-ROM	64 MB (user area approx. 20MB)
Display	
Type	3.7-inch transfective TFT color LCD 65,536 colors
Resolution	480 x 640 dots
Backlight	LED
Indicator	2-color LED x 2
Input/Switch	
Keyboard	Touchpanel Software keyboard Program keys (x 4), Action key, UP/DOWN keys, Cursor key
Switch	Power switch, Reset switch, Battery cover lock switches (x 2)
Interface	
Infrared	IrDA 1.3 compatible Max. 4 Mbps
Serial	26-pin interface (supports serial RS-232C and USB)
Bluetooth	IT-10M20 None IT-10M20BR Bluetooth® Version 1.2
Wireless LAN	IT-10M20 None IT-10M20BR IEEE802.11b Max. 11 Mbps
SDIO Slot	SDIO, SD, MMC cards are supported.
CF Slot	CompactFlash card Type I/Type II (3.3V)
Audio	Speaker (monaural), Microphone (monaural), Headphone jack (stereo)

Power

Operation	Lithium-ion battery pack (HA-C21BAT) 2,300 mAh
Operating period	IT-10M20 Approx. 27 hours Approx. calculation : display = 1:10 IT-10M20BR Approx. 14 hours Approx. calculation : display = 1:10 wireless : calculation : display = 1:1:10
Memory backup	NiMH battery (rechargeable) on board
Memory backup period	Approx. 30 minutes. (Assuming NiMH battery is fully charged.)

Environment

Drop durability	From 1.0 m in height onto concrete floor*
Operating temperature	0°C to +40°C
Storage temperature	-20°C to +60°C
Operating humidity	10% to 85%RH (no condensation)
Storage humidity	10% to 90%RH (no condensation)
Dust/Water-splash proof	IP54

Dimensions and weight

Weight	Approx. 290 g
Dimensions	Approx. 140 (D) x 80 (W) x 25 (H) mm

Application development tool

eMbedded Visual C++ 4.0, Visual Studio .NET 2003

Compliance

Safety	EN60950 (for IT-10M20BR only), UL60950-2000
EMC	EN55022/EN55024, FCC Part 15B
RF type approval	EN300328/EN301489/EN50361/EN50371, FCC Part 15C and SAR, IC RS-210
Bluetooth type approval	Bluetooth logo certification

* : exclude when a card is installed.

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